

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 10, 2009**

COMMITTEE MEMBERS PRESENT

Jim Haselton, Committee Chair
Ed Mandich, Committee Member

STAFF PRESENT

Hector Ruiz, District Engineer
Sharon E. Smith, Secretary/Treasurer
Neil McKenna, Water Supervisor
Kris Hanberg, Wastewater Supervisor
Bob Beck, Maintenance Supervisor
Teresa Teichman, Assistant to the General Manager
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Haselton called the September 10, 2009
Engineering/Operational Committee Meeting to order at 7:07 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written
comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

Director Ed Mandich complimented President Matt Disston's
presentation before the Local Agency Formation Commission
yesterday on behalf of the South County Agencies.

REPORT FROM THE GENERAL MANAGER

No report was provided.

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 10, 2009
PAGE 2

PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, provided a preliminary design update which addressed several items. Mr. Ruiz pointed out the Baker Water Treatment Plant (Baker WTP) design will be based on the initial capacity of 34.5 cfs with an ultimate capacity of 40 cfs.

Also discussed was the Granular Activated Carbon which will be an optional line item for the bidding and construction process. Mr. Ruiz stated Irvine Ranch Water District (IRWD) will take its share of product water directly from the Baker WTP as they are at the proper elevation to do so. Product water delivery will be provided via the Allen-McCollough Pipeline (AMP) to all other agencies.

Mr. Ruiz went over the Preliminary Design Technical Memorandums (PDM's) with the Committee. It is anticipated the cost estimates will be received at the end of this month. The next scheduled Baker Committee Meeting will take place on September 10, 2009.

A status update will be provided to the Board of Directors at the September 16, 2009 Regular Board Meeting.

The Engineering/Operational Committee received the staff report and status update. No action taken.

**ITEM NO. 1B) DISCUSSION RELATING TO ROSE CANYON AND LANG WELLS
GROUNDWATER TREATMENT FACILITY UPGRADES**

Mr. Ruiz stated on August 6, 2009 the District received a revised State Revolving Fund Funding Agreement. Mr. Ruiz stated he is working with the State Department of Public Health (DPH) and CDM Engineering to complete the bid documents.

Mr. Ruiz presented a revised rendering of the project which came about as a result of TCWD meeting with a group of concerned residents who live in the canyon, near the project site. TCWD meet with this group on August 17, 2009 and again on September 2, 2009 with the project's architect to revise the rendering and create a look more fitting with the canyon. CDM will provide a design cost estimate to the District and any revisions will go

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 10, 2009
PAGE 3

out to bid as alternate line items. The cost of these alternatives will be a major factor to consider when bids are received. If the costs are too high, they will not be a part of the project. Mr. Ruiz anticipates the project will go out to bid in October, 2009.

Costs for completed work as compared to the original 2007 budget were discussed along with proposed additional project items. Director Haselton and Director Mandich both requested TCWD ensure contractors bidding the project understand the District does not want to receive change orders, with the exception of rare circumstances, once the bid is approved.

A status update will be provided to the Board of Directors at the September 16, 2009 Regular Board Meeting.

The Engineering/Operational Committee received the staff report and recommended that it be forwarded to the Board. (Action Calendar).

ITEM NO. 1C) DISCUSSION RELATING TO THE ORANGE COUNTY FIRE
AUTHORITY SEWER SYSTEM PROJECT

Draft agreements with TCWD and the Santa Margarita Water District (SMWD) along with draft agreements between TCWD and the Orange County Fire Authority (OCFA) were provided for the Committee's review. Mr. Ruiz stated these agreements are necessary for allowing the OCFA to connect to the sewer system and utilize TCWD's capacity in the Chiquita system as well as allow TCWD to maintain the facilities. District's legal counsel has completed its review.

A status update will be provided to the Board of Directors at the September 16, 2009 Regular Board Meeting.

The Engineering/Operational Committee received the staff report with Draft Agreements and recommended that the Agreements be forwarded to the Board. (Action Calendar)

ITEM NO. 1D) DISCUSSION RELATING TO CALIFORNIA DROUGHT AND
WATER CONSERVATION EFFORTS

Mr. Michael Perea, Special Projects Manager, reported his calls have increased from customers concerned about their water consumption and he has conducted two more home audits this month. Mr. Perea noted the highest water users are the local Home Owner Associations (H.O.A.'s).

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 10, 2009
PAGE 4

Mrs. Teichman, Water Conservation Coordinator, reported calls from customers along with anonymous calls to the Water Conservation Hotline have increased this month. Several customers express concerns at the amount of water waste and run-off from H.O.A. common areas within the District.

Mrs. Teichman stated she and Mr. Perea are meeting tomorrow with landscape personnel and property management from a center within the District to discuss conservation strategies in regard to irrigation within that center.

Mr. Perea and Mrs. Teichman both attended several workshops and conferences this month.

A status update will be provided to the Board of Directors at the September 16, 2009 Regular Board Meeting.

The Engineering and Operational Committee received the status updates. No action taken.

ITEM NO. 1E) STATUS UPDATE RELATED TO WATER MONITORING

Mr. Ruiz reviewed the attached spreadsheet which showed the District's water usage for the past two fiscal years and stated the attached spreadsheet will be updated as the District receives information in arrears.

Mr. Ruiz reiterated TCWD's water allocation of 2,847 acre feet for fiscal year 2009/2010.

Water monitoring will be provided at the Committee level on a quarterly basis.

The Engineering/Operational Committee received the status report. No action taken.

ITEM NO. 1F) DISCUSSION RELATING TO WATER RELIABILITY AND EMERGENCY STORAGE FEE

Mr. Ruiz stated that the Prop 218 Notice of Public Hearing have begun to be mailed as inserts in customers bills.

Mr. Ruiz stated there are no changes or updates from last month's Committee meeting. Mr. Ruiz reviewed the Notice of Public

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 10, 2009
PAGE 5

Hearing timeline attachment and stated there will be no action necessary in October, 2009.

The Engineering/Operational Committee received the information. No action taken.

ITEM NO. 1G) DISCUSSION RELATING TO POTENTIAL AD VALOREM
PROPERTY TAX

Mr. Ruiz stated that the Prop 218 Notice of Public Hearing have begun to be mailed as inserts in customers bills.

Mr. Ruiz stated there are no changes or updates from last month's Committee meeting. Mr. Ruiz reviewed the Notice of Public Hearing timeline attachment and stated there will be no action necessary in October, 2009.

The Engineering/Operational Committee received the information. No action taken.

ITEM NO. 1H) STATUS UPDATES REGARDING ON-GOING ENGINEERING
PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Staff received one new pump. The two additional pumps are anticipated to be installed towards the end of September, or early October, 2009.

2. Water Systems Inter-Tie Reliability Study

No changes or updates from the August Engineering/Operations Committee report.

3. Emergency Generator, Dimension Water Treatment Plant

The District sent in its letter of support for SB696. This issue is currently on the Senate floor and may be approved by November, 2009. TCWD is prepared to move forward as soon as the moratorium is lifted and bid documents have been completed.

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
SEPTEMBER 10, 2009
PAGE 6

4. Shadow Rock Detention Basin Project

The District has received a site plan and electrical single line drawing from the electrical consultant. Mr. Ruiz will move forward with the Southern California Edison application for service at the site.

5. T-mobile Trabuco Highlands Reservoir Antenna Installation

The District has signed off on the contract drawing. T-Mobile is working with the Home Owners Association in order to obtain easement permission. The project is anticipated to go out to bid the first quarter of next year.

6. Brookseed/Dove Water Main Inter-Tie/Fire Line

The District has received preliminary site drawings showing TCWD's profile and potential easements.

7. Other Projects

No other projects were discussed.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 11) STATUS UPDATES AND POSSIBLE ACTION REGARDING
ACTIVE DEVELOPMENTS

1. Oaks at Trabuco

The developer has checked out a construction hydrant meter from the District for preliminary grading at Lot 2.

2. Rancho Las Lomas

There is no new activity to report.

3. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM NO. 1J) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the August 2009 update.

Source Water Production

1. The water treatment plant production totaled 246 acre feet.
2. The Rose Canyon and Lang Wells produced zero acre feet.
3. The average daily demand for the month of August was 9.7 acre feet, or 4.9 cfs.

Projects and Repairs

1. Water Department personnel worked with a contractor to repair a line break on the El Toro Road bike trail.
2. Water Department personnel completed hydrant flushing within the Dove Canyon Community.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1k) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the August 2009 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 62.0 acre feet.
2. The recycled water demand was 124 acre feet.
3. Dove Lake had 8.5 feet of freeboard.
4. The reclaimed water reservoir had 11.0 feet of freeboard.
5. The District pumped a total of 17 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 13.8 acre feet in August

Projects

1. District personnel graded the fire road at the Wastewater Treatment Plant.
2. District personnel modified the Polymer dosing station at the Wastewater Treatment Plant belt press building.

ENGINEERING/OPERATIONAL COMMITTEE MEETING
SEPTEMBER 10, 2009
PAGE 8

Sewer System Management Plan (SSMP) Report

1. Mr. Hanberg reviewed the August information on the Sewer System Management Plan (SSMP). The SSMP report will be provided each month in order to communicate the work performed on the District sewer system and satellite facilities.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1L) May 2009 OPERATIONAL REPORT REVIEW

Mr. Neil McKenna, Water Supervisor, reviewed the August 2009 Operational report with the Committee. Mr. McKenna noted there is an increase in water purchased from the (AMP) along with a decrease in water production at TCWD's Dimension Water Treatment Plant (WTP). Mr. McKenna stated the decrease in plant production was due to a significant increase in back washing at TCWD's WTP. The increased backwashing was required due to Irvine Ranch Water District (IRWD) finding a partially open valve from Irvine Lake which contributed to a blended raw water with a much higher level of turbidity.

The Engineering/Operational Committee received and filed the report. No action taken.

ITEM NO. 1M) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the August 13, 2009 Engineering/Operational Committee Meeting Recap. (Consent Calendar)

ITEM NO. 1N) OTHER MATTERS/REPORT

There were no other matters to report.

ADJOURNMENT

Committee Chair Haselton adjourned the September 10, 2009 Engineering/Operational Committee Meeting at 8:12 a.m.